

# M-Flex<sup>®</sup>

Multi-purpose additive tool with the most advanced powder dispensing on the market



The M-Flex is a multi-purpose tool, printing sand, metal, ceramics or composites. It can produce complex prototypes or serial production runs, and is the most flexible 3D printing system in ExOne's portfolio.

## TECHNICAL SPECIFICATIONS

| Build Dimensions                               | Max. Throughput                               | Layer Thickness      | Volume                        | Print Resolution              |
|------------------------------------------------|-----------------------------------------------|----------------------|-------------------------------|-------------------------------|
| 400 x 250 x 250 mm<br>(15.75 x 9.84 x 9.84 in) | 1,600 cc/hr<br>98 in <sup>3</sup> /hr         | 50 to 200 µm         | 25 L (1,526 in <sup>3</sup> ) | >50 µm voxels                 |
| Min. Powder Size                               | External Dimensions                           | Weight               | Electrical Requirements       | Binder Systems                |
| 15 µm (d50)                                    | 1,675 x 1,400 x 1,855 mm<br>(66 x 55 x 73 in) | 1,020 kg (2,249 lbs) | 208-240V 3-phase<br>50/60Hz   | Aqueous,<br>Solvent, Phenolic |

## SYSTEM BENEFITS

- Ability to print in metals, ceramics and sand
- Suited for complex geometry; greater design freedom
- Highly-accurate printing process guarantees highly-accurate parts
- User-friendly touch screen interface
- Easy loading/unloading
- Design changes can be made quickly
- Flexible job box can print one prototype or short runs of multiple and/or custom parts
- No support structures; unbound material supports the printed parts
- Package includes printer, recycling equipment, printing materials, curing oven and furnace